

Mount Thorley Warkworth EPL Monitoring Data

Published 26 November 2026
FOR THE MONTH ENDING 31 October 2026

Name of Operation	**Mount Thorley Coal Loader**
Environment Protection Licence	24
Licensee	Mount Thorley Coal Loading Ltd
Premises	Mount Thorley Coal Loading Ltd Mount Thorley Road, Mount Thorley Via Singleton NSW 2330
EPL Link	http://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=89660&SYSUID=1&LICID=24
Name of Operation	**Mount Thorley Operations**
Environment Protection Licence	1976
Licensee	Mount Thorley Operations Pty Limited
Premises	Mount Thorley Operations Mount Thorley Road Mount Thorley NSW 2330
EPL Link	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=295258&SYSUID=1&LICID=1976
Name of Operation	**Warkworth Coal Mine**
Environment Protection Licence	1376
Licensee	Warkworth Mining Ltd
Premises	Warkworth Coal Mine Putty Road Mount Thorley NSW 2330
EPL Link	https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=226613&SYSUID=1&LICID=1376

1 INTRODUCTION

This report provides a summary of environmental monitoring results for Mount Thorley Warkworth (MTW) in accordance with the requirements of the following Environment Protection Licences (EPL):

- EPL24 – Mount Thorley Coal Loader (MTCL);
- EPL1376 – Warkworth Mining Limited (WML); and
- EPL1976 – Mount Thorley Operations (MTO).

This report includes all monitoring data collected in accordance with the above licences for the period 1 to 31 October 2026.

Monitoring in this report includes:

- Air quality monitoring;
- Surface water monitoring including mine water discharge and effluent quality; and
- Blast monitoring.

Monitoring locations are shown in **Figure 1**.

2 AIR QUALITY

In accordance with the requirements of Condition M2.2 of WML EPL 1376 and MTO EPL 1976, MTW maintains a network of five PM_{10} monitors.

Results of Particulates (PM_{10}) monitoring are shown in **Table 1**. Results reported represent the 24hr average PM_{10}, derived from 10 minute PM_{10} values for the period midnight to midnight, for each calendar date during the reporting period. The last sampling date was 31 October 2026 and the data was obtained on 1 November 2026.

TABLE 1: PARTICULATE MATTER <10µM MONITORING

Date	Unit of Measure	Monitoring Frequency & Capture	Monitoring Point				
			Warkworth North (EPA ID # 9 - WML EPL 1376)	MTO Boundary (EPA ID # 13 - MTO EPL 1976)	Dragline Crossing (EPA ID # 10 - WML EPL 1376 & MTO EPL 1976)	Heavy Vehicle Bridge (EPA ID # 11 - WML EPL 1376 & MTO EPL 1976)	MTIE (EPA ID # 12 - WML EPL 1376 & EPA ID #19 - MTO EPL 1976)
1/10/2026	µg/m³	Continuous	8.2	6.4	25.4	10.9	10.0
2/10/2026	µg/m³		13.5	8.1	23.2	16.7	14.0
3/10/2026	µg/m³		15.0	13.1	15.1	14.7	13.7
4/10/2026	µg/m³		8.8	6.5	13.8	8.1	8.1
5/10/2026	µg/m³		11.2	9.7	10.7	10.0	9.9
6/10/2026	µg/m³		10.2	9.0	11.3	8.9	9.7
7/10/2026	µg/m³		9.0	7.1	7.4	9.3	7.6
8/10/2026	µg/m³		7.0	3.3	5.0	4.7	3.7
9/10/2026	µg/m³		9.3	4.6	10.9	5.9	5.7
10/10/2026	µg/m³		7.9	10.0	20.1	12.2	12.8
11/10/2026	µg/m³		12.9	8.5	13.7	12.2	12.4
12/10/2026	µg/m³		10.1	9.8	23.0	18.9	11.5
13/10/2026	µg/m³		8.0	9.7	15.5	11.3	6.1
14/10/2026	µg/m³		7.9	5.1	4.9	5.6	2.8
15/10/2026	µg/m³		9.1	3.7	3.6	5.0	2.3
16/10/2026	µg/m³		6.4	3.5	3.9	5.2	2.1
17/10/2026	µg/m³		6.6	2.6	3.8	5.3	2.2
18/10/2026	µg/m³		5.8	2.2	4.8	4.6	2.0
19/10/2026	µg/m³		5.9	2.0	4.6	3.7	1.6
20/10/2026	µg/m³		6.4	2.8	5.6	3.4	2.1
21/10/2026	µg/m³		8.2	4.0	5.3	5.2	3.2
22/10/2026	µg/m³		4.5	4.4	5.9	6.1	3.7
23/10/2026	µg/m³		4.4	3.4	5.2	6.3	2.5

Date	Unit of Measure	Monitoring Frequency & Capture	Monitoring Point				
			Warkworth North (EPA ID # 9 - WML EPL 1376)	MTO Boundary (EPA ID # 13 - MTO EPL 1976)	Dragline Crossing (EPA ID # 10 - WML EPL 1376 & MTO EPL 1976)	Heavy Vehicle Bridge (EPA ID # 11 - WML EPL 1376 & MTO EPL 1976)	MTIE (EPA ID # 12 - WML EPL 1376 & EPA ID #19 - MTO EPL 1976)
24/10/2026	µg/m³		8.6	5.2	13.7	6.3	4.4
25/10/2026	µg/m³		5.3	7.8	23.1	6.7	6.2
26/10/2026	µg/m³		5.6	7.2	15.3	9.4	5.3
27/10/2026	µg/m³		7.5	6.7	10.7	8.1	6.0
28/10/2026	µg/m³		3.3	2.7	13.9	8.8	5.1
29/10/2026	µg/m³		6.9	6.8	15.1	11.1	8.2
30/10/2026	µg/m³		9.6	6.6	10.7	9.7	9.6
31/10/2026	µg/m³		10.2	14.6	25.1	12.2	11.8
Monthly Meaningful Data							
October	**µg/m³**	**Minimum***	3.3	2.0	3.6	3.4	1.6
October	**µg/m³**	**Mean***	8.2	6.4	11.9	8.6	6.7
October	**µg/m³**	**Maximum***	15.0	14.6	25.4	18.9	14.0
October	**µg/m³**	**Median***	8.0	6.5	10.9	8.1	6.0

 # 24 hour data unavailable due to equipment or communications issue causing one or more missing 10 minute values
**Data calculated with missing 10 minute value(s) due to equipment or communication issue*
MTIE denotes Mount Thorley Industrial Estate

3 SURFACE WATER

3.1 Mine Water Discharge Monitoring

MTW participates in the Hunter River Salinity Trading Scheme (HRSTS) and maintains three monitoring locations associated with this scheme.

MTW did not undertake any HRSTS discharges in the reporting period as shown in **Table 2**. As such, no samples were collected during the reporting period as shown in **Table 3**.

TABLE 2: MINE WATER DISCHARGE MONITORING - VOLUME AND MASS LIMITS

Monitoring Location	Unit of measure	Volume/mass Limit	No. of samples required by licence	No. of samples you collected and analysed	Lowest Sample Value	Mean of sample	Highest sample value	Median
Dam 1N Discharge / Point 1 (WML EPL 1376) Dam 1N Discharge Point	Megalitres per day	100	0	0	-	-	-	-
Dam 6S Discharge / EPL Point 20 (MTO EPL 1976) Discharge pipe from Dam 6S	Megalitres per day	300*	0	0	-	-	-	-
Dam 9S Discharge / EPL Point 4 (MTO EPL 1976) Discharge pipe from Dam 9S	Megalitres per day	300*	0	0	-	-	-	-

**Combined limit for EPL Points 4 and 20*

TABLE 3: MINE WATER DISCHARGE MONITORING- CONCENTRATION LIMITS

Discharge Point	Pollutant	Unit of measure	Licence limits	No. of samples required by licence	No. of samples you collected and analysed	Lowest Sample Value	Mean of sample	Highest sample value	Median
Dam 1N Discharge / Point 1 (WML EPL 1376) Dam 1N Discharge Point	Electrical Conductivity	microsiemens per centimetre	-	0	0	-	-	-	-
	pH	pH	6.5 - 9.5	0	0	-	-	-	-
	Total Suspended Solids	milligrams per litre	120	0	0	-	-	-	-
Dam 1N Discharge Turbidity Monitoring / Point 25 (WML EPL 1376) Continuous turbidity monitor	Turbidity	nephelometric turbidity units	-	0	0	-	-	-	-
Dam 6S Discharge / EPL Point 20 (MTO EPL 1976) Discharge pipe from Dam 6S	Electrical Conductivity	microsiemens per centimetre	-	Continuous	Continuous	-	-	-	-
	pH	pH	6.5 - 9.5	0	0	-	-	-	-
	Total Suspended Solids	milligrams per litre	120	0	0	-	-	-	-
Dam 9S Discharge / EPL Point 4 (MTO EPL 1976) Discharge pipe from Dam 9S	Electrical Conductivity	microsiemens per centimetre	-	Continuous	Continuous	-	-	-	-
	pH	pH	6.5 - 9.5	0	0	-	-	-	-
	Total Suspended Solids	milligrams per litre	120	0	0	-	-	-	-

3.2 Water Quality Monitoring

MTW undertakes monitoring in accordance with Condition M2.3 of WML EPL 1376 and MTO EPL 1976 as detailed in **Table 4**. Monthly sampling occurred on 14 October 2026 and the data was obtained 13 November 2026. Next quarterly sampling will occur in December 2026.

TABLE 4: WATER QUALITY MONITORING

Monitoring Location	Pollutant	unit of measure	Monitoring frequency required by licence	No. of samples required by licence	No. of samples collected and analysed	Value(s)
W5 – Loders Creek / EPL Point 3 (MTO EPL 1976) Coal preparation plant access road bridge	Electrical Conductivity	microsiemens per centimetre	Once a month (min. of 4 weeks)	1	1	2860
	pH	pH units	Once a month (min. of 4 weeks)	1	1	6.5
	Total Suspended Solids	milligrams per litre	Once a month (min. of 4 weeks)	1	1	65
W1 – Hunter River / EPL Point 26 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-
W2 – Hunter River / EPL Point 27 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-
W3 – Hunter River / EPL Point 28 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-

Monitoring Location	Pollutant	unit of measure	Monitoring frequency required by licence	No. of samples required by licence	No. of samples collected and analysed	Value(s)
W5 – Loders Creek / EPL Point 29 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-
WW5 – Dights Creek / EPL Point 30 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-
SW40 – Wollombi Brook Downstream / EPL Point 31 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-
Wollombi Brook / EPL Point 32 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-
Wollombi Brook Upstream / EPL Point 33 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
	Total Suspended Solids	milligrams per litre	Once a quarter	0	0	-

 # - Sample unable to be collected due to insufficient water or unsafe access

3.3 Effluent Quality Monitoring

Monitoring is undertaken in accordance with Condition M2.3 of WML EPL 1376 and MTO EPL 1976 as detailed in **Table 5**. Next quarterly sampling will occur in December 2026.

TABLE 5: EFFLUENT QUALITY MONITORING

Monitoring Location	Pollutant	unit of measure	Monitoring frequency required by licence	No. of samples required by licence	No. of samples collected and analysed	Value
North Pit North Crib Hut Envirocycle / EPL Point 14 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
Main Warkworth Staging Pond / EPL Point 15 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
Warkworth Admin Envirocycle / EPL Point 16 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
West Pit South Crib Hut Envirocycle / EPL Point 17 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
Warkworth Medical Centre Envirocycle / EPL Point 18 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
Dam 1S / EPL Point 18 (MTO EPL 1976)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-
WML - Workshop STP	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	0	0	-
	pH	pH units	Once a quarter	0	0	-

4 BLAST MONITORING

In accordance with the requirements of Conditions M7.1 (WML EPL 1376) and M8.1 (MTO EPL 1976), MTW maintains a network of blast monitors to measure airblast overpressure and ground vibration for all blasts carried out at MTW. Blast monitoring results are detailed in **Table 6** (Airblast Overpressure) and **Table 7** (Ground Vibration). The last date sampled was on 31 October 2026. The data was obtained on 1 November 2026.

TABLE 6: BLAST MONITORING (AIRBLAST OVERPRESSURE)

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
n47-wha-ptg6	1/10/2026 14:59	dB(L)	All Blasts 100%	115	120	101.6	100.7	101.3	94.5	109.9
w40-whe-pr5	2/10/2026 13:56	dB(L)		115	120	102.2	95.8	104.7	97.3	100.8
n45-bfb-ps1a	3/10/2026 13:37	dB(L)		115	120	106.0	95.9	108.5	88.0	94.0
n47-wha-ptg7	6/10/2026 12:28	dB(L)		115	120	93.0	92.5	91.1	94.0	100.0
w54-wyf-ps2	8/10/2026 13:08	dB(L)		115	120	104.4	93.8	104.1	97.4	96.9
w37-wwe-md6	9/10/2026 15:36	dB(L)		115	120	103.4	100.5	104.2	97.7	98.0
w43-wnd-pr2	9/10/2026 15:37	dB(L)		115	120	106.9	102.8	103.4	96.3	95.0
n47-wha-c-co4	10/10/2026 10:59	dB(L)		115	120	101.4	101.9	96.9	89.6	102.8
n45-bfb-md1	10/10/2026 11:01	dB(L)		115	120	110.5	107.4	111.5	108.5	111.8
n45-bfb-ps1b	12/10/2026 11:48	dB(L)		115	120	100.7	108.4	110.8	103.3	109.2
w43-wnd-pr3	13/10/2026 11:21	dB(L)		115	120	99.3	99.0	94.4	97.4	95.7
n47-wha-c-co4b	15/10/2026 13:32	dB(L)		115	120	107.6	97.6	108.2	96.6	90.2
n51-ble-pr3	17/10/2026 12:24	dB(L)		115	120	104.2	99.6	110.1	101.5	100.9
w54-wyc-pr11	20/10/2026 9:11	dB(L)		115	120	104.5	102.6	92.5	98.6	112.1

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
w37-wwh-maa-ptg2	21/10/2026 10:22	dB(L)		115	120	88.7	91.8	87.3	89.5	80.5
n45-bfb-md2	21/10/2026 10:22	dB(L)		115	120	96.4	100.0	101.1	115.8	87.8
n51-ble-pr2	24/10/2026 12:12	dB(L)		115	120	93.6	99.8	97.6	90.3	94.3
n53-wba-ps1e	24/10/2026 12:13	dB(L)		115	120	90.4	114.8	97.4	108.1	89.4
n55-rca-ptg2	24/10/2026 12:13	dB(L)		115	120	94.6	100.3	98.7	108.1	93.6
n49-blh-ptg3	26/10/2026 12:42	dB(L)		115	120	107.0	108.3	108.3	111.0	105.3
w58-wyc-ps1a	27/10/2026 12:20	dB(L)		115	120	103.8	95.4	101.7	85.6	96.9
n53-wba-ps1f	28/10/2026 13:42	dB(L)		115	120	92.0	101.9	114.4	94.6	105.4
n53-rce-pr2	29/10/2026 9:33	dB(L)		115	120	101.2	106.0	93.0	100.2	95.9
w58-wyc-ptg1	31/10/2026 12:47	dB(L)		115	120	112.0	104.3	107.6	104.2	111.5
Monthly Meaningful Data										
Minimum	**October**	**dB(L)**		115	120	88.7	91.8	87.3	85.6	80.5
Mean	**October**	**dB(L)**		115	120	101.0	100.9	102.0	98.7	99.1
Maximum	**October**	**dB(L)**		115	120	112.0	114.8	114.4	115.8	112.1
Median	**October**	**dB(L)**		115	120	101.9	100.4	102.5	97.4	97.4

TABLE 7: BLAST MONITORING (GROUND VIBRATION)

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
n47-wha-ptg6	1/10/2026 14:59	mm/s	All Blasts 100%	5	10	0.08	0.13	0.06	0.21	0.12
w40-whe-pr5	2/10/2026 13:56	mm/s		5	10	0.24	0.28	0.08	0.53	0.26
n45-bfb-ps1a	3/10/2026 13:37	mm/s		5	10	1.27	1.07	0.30	0.93	0.96
n47-wha-ptg7	6/10/2026 12:28	mm/s		5	10	0.06	0.10	0.06	0.19	0.11
w54-wyf-ps2	8/10/2026 13:08	mm/s		5	10	0.74	0.49	0.12	0.72	0.88
w37-wwe-md6	9/10/2026 15:36	mm/s		5	10	0.90	1.18	0.18	0.59	1.53
w43-wnd-pr2	9/10/2026 15:37	mm/s		5	10	1.05	0.51	0.11	0.32	0.50
n47-wha-c-co4	10/10/2026 10:59	mm/s		5	10	0.05	0.09	0.06	0.48	0.11
n45-bfb-md1	10/10/2026 11:01	mm/s		5	10	1.82	1.98	0.31	1.98	1.74
n45-bfb-ps1b	12/10/2026 11:48	mm/s		5	10	0.87	1.34	0.17	1.48	0.98
w43-wnd-pr3	13/10/2026 11:21	mm/s		5	10	0.59	0.32	0.07	0.30	0.47
n47-wha-c-co4b	15/10/2026 13:32	mm/s		5	10	0.07	0.13	0.06	0.39	0.12
n51-ble-pr3	17/10/2026 12:24	mm/s		5	10	0.39	0.60	0.09	0.78	0.32
w54-wyc-pr11	20/10/2026 9:11	mm/s		5	10	1.85	1.27	0.21	0.42	1.70

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
w37-wwh-maa-ptg2	21/10/2026 10:22	mm/s		5	10	0.89	1.64	0.16	1.45	0.98
n45-bfb-md2	21/10/2026 10:22	mm/s		5	10	0.89	1.64	0.16	1.45	0.98
n51-ble-pr2	24/10/2026 12:12	mm/s		5	10	0.62	0.88	0.17	2.10	0.30
n53-wba-ps1e	24/10/2026 12:13	mm/s		5	10	0.47	0.89	0.14	0.50	0.97
n55-rca-ptg2	24/10/2026 12:13	mm/s		5	10	0.05	0.14	0.06	0.24	0.12
n49-blh-ptg3	26/10/2026 12:42	mm/s		5	10	0.18	0.29	0.07	0.22	0.19
w58-wyc-ps1a	27/10/2026 12:20	mm/s		5	10	1.39	0.65	0.14	0.48	1.42
n53-wba-ps1f	28/10/2026 13:42	mm/s		5	10	0.66	0.71	0.11	0.57	0.96
n53-rce-pr2	29/10/2026 9:33	mm/s		5	10	1.09	1.05	0.13	1.98	0.45
w58-wyc-ptg1	31/10/2026 12:47	mm/s		5	10	0.69	0.41	0.07	0.26	0.40
Monthly Meaningful Data										
Minimum	**October**	**mm/s**		5	10	0.05	0.09	0.06	0.19	0.11
Mean	**October**	**mm/s**		5	10	0.70	0.74	0.13	0.77	0.69
Maximum	**October**	**mm/s**		5	10	1.85	1.98	0.31	2.10	1.74
Median	**October**	**mm/s**		5	10	0.68	0.63	0.12	0.52	0.49

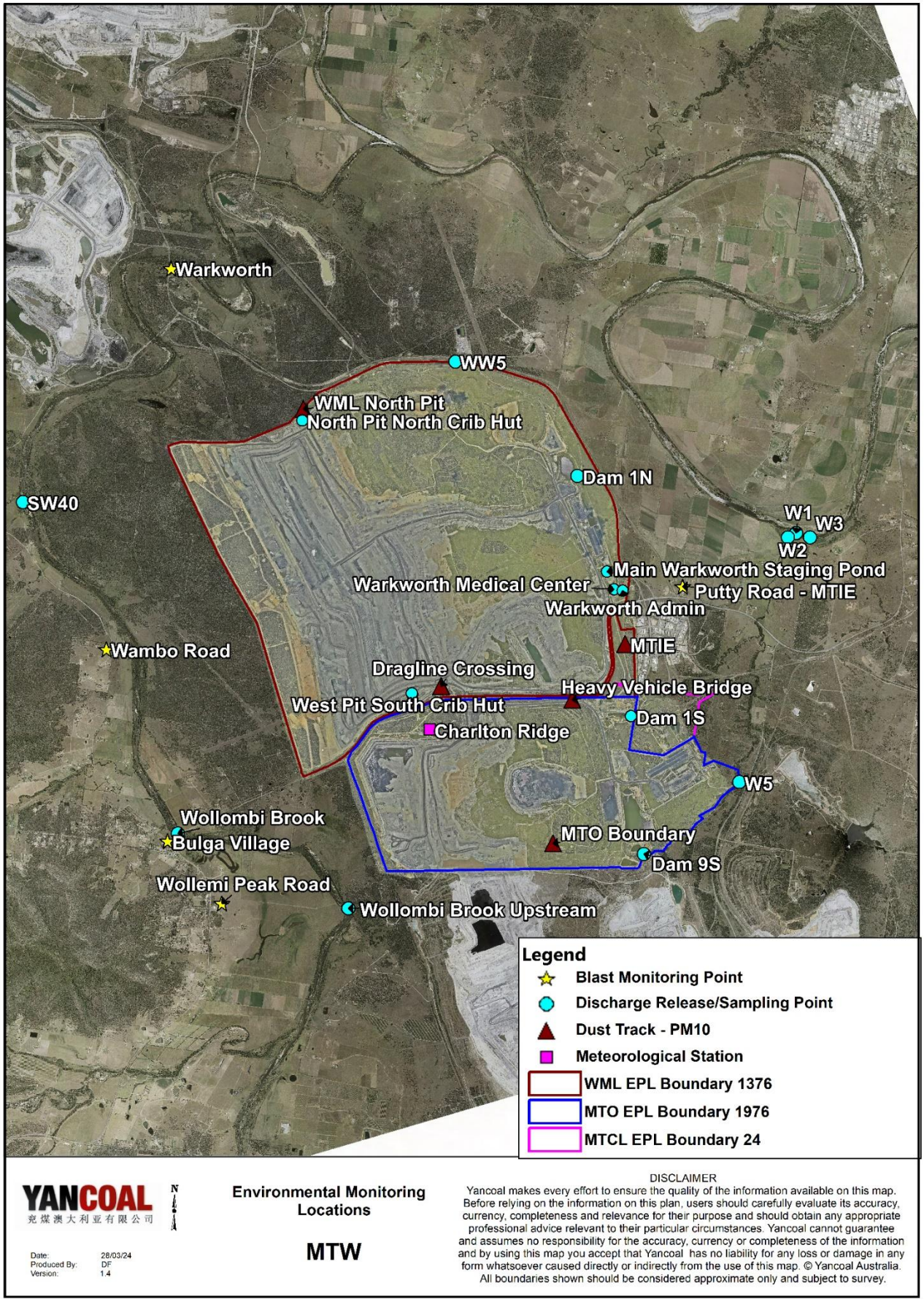


Figure 1 : Mount Thorley Warkworth Environmental Monitoring Locations